

REMARKS

Claims 2, 3, 6, 7, 9-19 and 22 are pending in this application. By this Supplemental Amendment, claims 18 and 22 are amended to more clearly distinguish over the applied references. Reconsideration in view of the above amendments and following remarks is respectfully requested.

Applicant appreciates the courtesies shown to Applicant's representative by Examiner Wu in the March 30, 2004 personal interview. Applicant's separate record of the substance of the interview is incorporated into the following remarks. Specifically, claims 18 and 22 are amended based on the Examiner's helpful suggestions made during the interview.

The Office Action rejects claims 18-22 under 35 U.S.C. §103(a) as being unpatentable over Misawa (U.S. Patent No. 5,250,931) in view of Shimizu (U.S. Patent No. 6,046,633). Claims 20 and 21 were canceled in the March 16, 2004 Amendment. However, Applicant respectfully traverses the rejection as applied to claims 18, 19 and 22.

In particular, Applicant asserts that neither Misawa or Shimizu, either alone or in combination, disclose or suggest a display device, including at least a display panel which is formed on a glass substrate and a plurality of display drivers which are mounted on the glass substrate and drive the display panel, wherein the voltage supplied through an interconnecting line is gray scale driving voltage, and impedance conversion is performed at each of the display drivers, as recited in independent claim 18, and similarly recited in independent claim 22.

Misawa discloses an active matrix panel including a matrix of driving electrodes couples through thin film transistors switches.

Shimizu discloses that the gradation voltage generator 11c generates two sets of voltage levels. See column 7, lines 50-64. The first set of voltage levels is higher than a reference voltage V_{ref} , and the voltage levels are different in magnitude from one another.

In contrast to Applicant's claimed invention, neither Shimizu nor Misawa disclose or suggest that impedance conversion is performed at each of the display drivers. On the contrary, nowhere in the applied references is it disclosed or suggested that impedance conversion is performed at each data driver by an operational amplifier connected in a voltage-follower manner to generate the gray scale driving voltages.

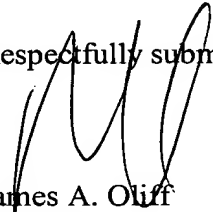
Because these features are not disclosed or suggested in the applied references, an input impedance of the operational amplifier cannot be extremely increased so that there is substantially no flow of the input current to the operational amplifier. Accordingly, any combination of the applied references would have resulted in a device that cannot prevent deviation in bias, block irregularities on the screen of the display device and deterioration of the display quality.

Thus, Applicant asserts it would not have been obvious to combine Shimizu with Misawa to arrive at the claimed invention. Accordingly, Applicant respectfully request that the rejection under 35 U.S.C. §103(a) be withdrawn.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 18, 19 and 22 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicant's attorney at the telephone number listed below.

Respectfully submitted,


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Date: April 14, 2004

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